

USGS Data Exploration Unit: Presentation 5

Opening Question

Read and answer each question.

1. What are some possible explanations for why Santa Catalina Island eagles have high DDE concentrations from 1989-2000?

Presentation Questions

Fill in the questions based on information in the presentation.

Answer the following questions.

1. Where is Santa Catalina Island?
2. In 1960 how many bald eagle pairs lived on Santa Catalina Island?
3. What corporation was responsible for dumping DDT into the LA sewer system and into the ocean waters surrounding Santa Catalina Island?
4. Who filed a lawsuit against the corporation responsible for dumping DDT into the Pacific Ocean?
5. How many years did it take to settle the lawsuit?
6. Other than bald eagles what are some other birds that were harmed by the dumping of DDT on Santa Catalina Island?
7. Name three symptoms adult bald eagles demonstrate when suffering from DDE poisoning?
8. Name three pathways through which DDT moves through an ecosystem:

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9. What is the average concentration of DDT in the following animals:
 - a. Gulls
 - b. Sea Lions

10. Ultimately, what type of data analysis was used to demonstrate that DDT discharged by Montrose injured birds?

11. How many tons of DDT did Montrose dump into Los Angeles sewers from 1940-1970?

12. How much money was awarded in the settlement with Montrose and other parties?

13. For what will the majority of the settlement funds be used?

14. How much of the settlement money will be used for restoration programs?

15. Name two government agencies that are the trustees of the settlement funds.
 - a.
 - b.

16. Define restoration:

17. What restoration activities are being done?